

City of Medford

Working towards Sustainability

Historic Medford



History of Medford

- Founded in 1630, 4th oldest English settlement in America
- Established as a City in 1892
- Medford was a leader in the Clipper Ship building industry and also manufactured brick and tile
- Also famous for it's "Medford Rum" and "Medford Crackers"



How did MEDFORD get involved in sustainability?

- Strong Mayor
- Started with Cities for Climate Protection Campaign
- Overcame a few obstacles
- New Energy & Environment office created and growing daily



Measures

Volunteer vs. Regulatory

Volunteer

- Climate Change Prevention (CCP)
- Energy Efficiency
- Renewable Energy Sources
- Clean School Bus USA Program

Regulatory

- Wetlands and Open Space Protection
- Stormwater Management
- MCP



Cities for Climate Protection

- Sponsored by the International Council for Local Environmental Initiatives (ICLEI)
- Officially kicked off in 1993 (after Urban CO2 program)
- A global campaign to reduce the emissions that cause global warming and air pollution
- Currently over 500 local governments participate
- Medford joined in 1999-one of first 4 cities in Massachusetts to do so



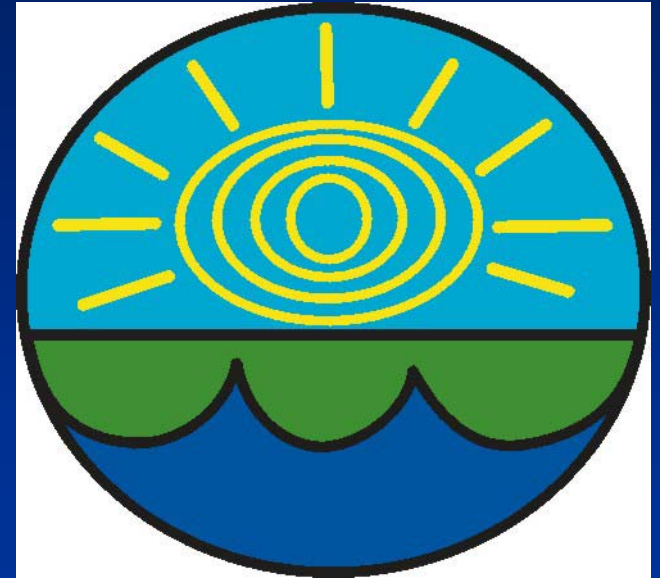
CCP's Five Milestones

- Conduct Emissions Inventory & Forecast
- Set Reduction Goals
- Develop Climate Action Plan
- Implement Action Plan
- Monitor and Verify Results



How Medford is doing it

- Full-time staff-New dept.
- Medford Energy Task Force
- Interns/volunteers
- Grants
- Administrative & Financial Support
- Partnerships
- Press coverage



Energy & Environment Office

Responsible for:

- Climate change protection
- Air pollution reduction
- Stormwater management-NPDES Phase II
- Wetlands and Open Space Conservation



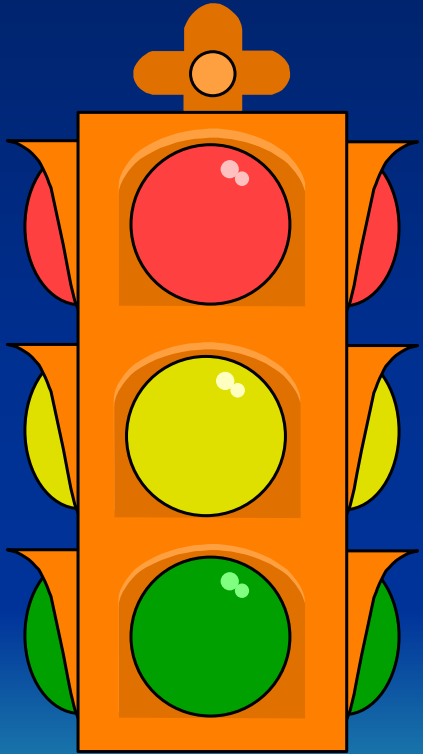
What does this mean???

- The Environmental Agent is included on every major new development in the City from meetings to signing off on building procedural forms
- Allows education and integration of sustainable thinking into current municipal processes
- Will work for now, ideally become a requirement in the future



Implemented Projects

Traffic Lights



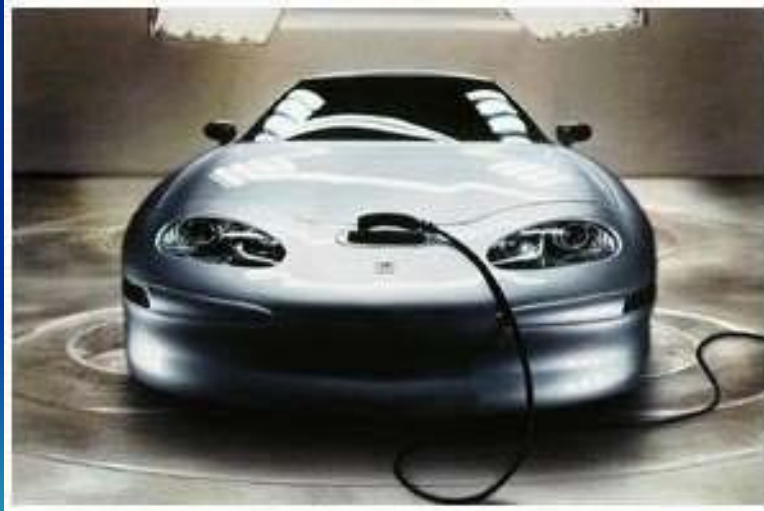
- Converted to LEDs
- Utility rebates
- Mayor behind 100%

Biodiesel

- Successful Pilot Study at Cemetery
- Comparable Costs



Electric Vehicles



- Clean Cities Coalition
- Ford Th!nk Neighbor
- Five FREE vehicles
- GM's EV1
- Replace maintenance vehicles

Solar Panels at Hormel Stadium

- Very little cost to City
- Local Contractor donates time and expertise
- Municipal Workers install
- Power lights for all home games



Clean School Bus USA Program



- Only MA recipient
- Retrofitting 54 school buses with diesel particulate filters
- Utilizing ultra low sulfur diesel
- 90% reduction in criteria air pollutants

Wind Committee

- Researching Wind Resources in Medford
- Mayor appointed 9 member board
- Working with Mass Renewable Trust's Community Wind Collaborative



Future Endeavors

- Environmental Education in Schools
- Maintenance Plans for municipal buildings
- Work with local businesses
- Local Wetland and Open Space Ordinance
- Stormwater Management Ordinance
- Regional Energy Fair
- More staff



Keys to Success

- Helpful to have a plan
- Need a champion, preferably elected official or decision maker
- Partnerships: Rebuild, Clean Cities Coalition
- Publicity
- WORK WITH OTHER COMMUNITIES DOING IT!!



Why should my community do this?

- Political response: PUBLICITY! IT MAKES YOUR MUNICIPALITY LOOK GOOD!!!
- Better response: It is the right thing to do
- More direct control and connection to the people in the community both residential and commercial
- Changing community concerns



Contact Information

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